

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/RR/LST-4/HYD

Mine code : 38APR23003

- (i) Name of the Inspecting : S11) SHAILENDRA KUMAR
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri T Mallikarjun Mines Manager
Official with
Designation
- (iv) Date of Inspection : 17/09/2021
- (v) Prev.inspection date : 12/12/2020

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : SANGAMKALAN NO. 2
- (b) **Registration NO.** : 613
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TELANGANA
- District : RANGAREDDY
- Village : SANGAMKALAN
- Taluka : TANDUR (MANDAL
- Post office : MALKAPUR
- Pin Code : 501147
- FAX No. : 040-28521526
- E-mail : vcil@rediffmail.com
- Phone : 044-8592562
- (f) **Police Station** : Tandur
- (g) **First opening date** : 15/07/2002
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : VISAKA CEMENT IND. LTD.
MALKAPUR, TANDUR(M)
RANGA REDDY DIST.
3. (a) **Lease Number** : APR1350
- (b) **Lease area** : 112.68
- (c) **Period of lease** : 50
- (d) **Date of Expiry** : 03/09/2048
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : THE INDIA CEMENTS LTD
 DHUN BUILDING 827, ANNA
 SALAI CHENNAI CHENNAI CITY
 TAMIL NADU
 Phone:282521526
 FAX :28520638

Owner : Mrs laxmi Aparna Srikumar
 Coromandal tower, 93,
 Santhome High Avenue, raja
 Annamalaipuram, Chennai
 CHENNAI CITY TAMIL NADU
 Phone:
 FAX :

Agent : Dinesh Mangal
 India Cements ,Sangamkalan
 Village Vikarabad district
 Telangana State RANGAREDDY
 TELANGANA
 Phone:
 FAX :

Mining Engineer

Name : A Shiva Kumar,Full Time
 Qualification : B Tech Mining
 Appointment/ :
 Termination date

Geologist

Name : Janardhan Reddy,Full Time
 Qualification : Msc Geology
 Appointment/ :
 Termination date

Manager

Name : . T Mallikarjun Reddy
 Qualification :
 Appointment/ : 09/08/2018
 Termination date

6. Date of approval of Mining	:	Modif.of approved Mining Plan	07/12/2003
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	24/02/2005
		Modif.approved Mining Scheme	07/03/2008
		Mining Scheme rule 12 MCDR1988	04/08/2010
		MP modif under MCR 1960	24/08/2015
		MP modif under 17(3) MCR 2016	20/12/2019

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	None	None	None
1b	Exploration over lease area for geological axis 1 or 2	None	Entire potentially mineralised area has been explored under G1 level.	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None	None	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	None	None	None
1e	Balance reserve as on 01/04/20	---	reserves as on 1.4.2021 are 88 Million tonnes	None
1f	General remarks of inspecting officers on geology, exploration etc	None	None	None

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It was proposed to work on both East and South parts of the existing pit	The development being carried out as proposed.	None
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	None	None	None
2c	Stripping ratio or ore to OB ratio	None	None	None
2e	Quantity of overburden generation in m3	None	None	None

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	None	None	None
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One pit	None
3b	Quantity of ROM mineral production proposed	2.98 Million tonnes	1.57 Million tonnes	None
3c	Recovery of sailable/usable mineral from ROM production	None	The entire ROM being consumed in cement plant of lessee.	None
3d	Quantity of mineral reject generation	None	None	None
3e	Grade of mineral rejects generation and threshold value declared.	None	None	None
3f	Quantity of sub grade mineral generation.	None	None	None
3g	Grade of sub grade mineral generation	None	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	None	None	None
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	None
3j	Provision of drilling and blasting in mineral benches	It is proposed to carry out drilling and blasting in the mineral benches.	Drilling is carried by Wagon drill of 115 mm dia and blasting is carried out by using ANFO.	None

3k	Provision of mining machineries in mineral benches	It is proposed to excavate and transport the limestone by using Excavator and tippers	The same was being carried out for excavation and transportation of mineral.	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It is proposed to maintain a height of 8.5 meters bench height.	During the inspection it was observed that the bench height is more than the proposed bench height.	A violation letter for not maintaining the bench height as proposed was issued to lessee.
3m	Total area covered under excavation/pits	53.17 ha	44.45 ha	None
3n	Ore to OB ratio for the pit/mine during the year.	None	None	None
3o	Total area put in use under different heads at the end of year	----	Area under pit - 44.450 ha area under infrastructure - 2.130 ha	None
3p	Production of ROM mineral during the last five year period as applicable	The proposed production for the last five years is as follows: 2016-17 - 2.39 Million tonnes 2017-18 - 2.40 Million tonnes 2018-19 - 2.40 Million tonnes 2019-20 - 2.40 Million tonnes 2020-21 - 2.98 Million tonnes	The actual production reported for the last five years is as follows: 2016-17 - 1.69 Million tonnes 2017-18 - 1.56 Million tonnes 2018-19 - 2.01 Million tonnes 2019-20 - 2.25 Million tonnes 2020-21 - 1.57 Million tonnes	The actual production is within the proposed production quantity.
3q	General remarks of inspecting officers on method of mining etc.	None	None	None

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	None	None	None
4b	Location of topsoil, OB and mineral reject dumps	None	None	None
4c	Number of dumps within lease area and outside of lease area	None	None	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	None	None	None
4e	Number of active and alive dumps.	None	None	None
4f	Number of dead dumps.	None	None	None
4g	Number of dumps established.	None	None	None
4h	Whether Retaining wall or garland drain all along dumps are there.	None	None	None
4i	Length of Retaining wall or garland drain all along dumps	None	None	None
4j	Number of settling ponds	None	None	None
4k	Specific comments of inspecting officer on waste dump management	None	None	None

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	None	None	None

5b	Area under backfilling of mined out area	None	None	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	None	None	None
5d	Total area fully reclaimed and rehabilitated	None	None	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	No area matured for reclamation.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	---	Yes annual report on protective measures submitted regularly.	None
6b	Area available for rehabilitation (ha) .	None	None	None
6c	afforestation done (ha).	1 ha	1 ha	None
6d	No. of saplings planted during the year	500 no.s	500 no.s	None
6e	Cumulative no .of plants	6000 no.s	6000 no.s	None
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	----	Rs.2,50,000/-	None
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	None	None	None

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None	None	None
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	None	None	None
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None	None	None
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	None	None	None
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	None	None	None
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	None	None	None
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	None	None	None
6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out quarterly monitoring of environmental parameters regularly.	Regular monitoring of environmental parameters being carried out.	None

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	None	None	None
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was propsoed to prodcue 2.98 Million tonnes	The actual production reported duirng the year 2020-21 was 1.57 Million tonnes	None
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	None	None	The entire ROM consumed in the cement plant of lessee.
7c	Different grade of mineral sorted out at mines.	None	None	None
7d	Any beneficiation process at mines	None	None	None
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	None	None	None

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	None	None	None
8b	Concurrent use or storage of topsoil	None	None	None

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	None	None	None
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	None	None
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None	None	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	---	Except for the plantation made by lessee no other vegetation was noticed.	None
8g	Survival rate	75%	75%	None
8h	Water sprinkling on roads to control airborne dust	It was proposed to control dust suppression by water sprinkling.	The same was not being carried and a violation was issued to the lessee.	As no proper dust suppression measures being carried out.A violation was issued to lessee for rectifying the same.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	None	None	As no proper dust suppression measures being carried out.A violation was issued to lessee for rectifying the same.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	---	Monthly and Annual returns are submitted regularly by the lessee.	None

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the Monthly report Sri A Shiva Kumar and Sri Janardhan Reddy as Mining Engineer and Geologist respectively.	The same was confirmed during the inspection.	None
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	The area under Pit is 44.450 ha	The same was noticed during the inspection.	None
9d	Scrutiny of Annual return on afforestation	As per Annual return 500 saplings have been planted.	The same was confirmed during the inspection.	None
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	None	None	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	The ROM reported was 1.57 Million tonnes	The same was confirmed during the inspection.	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The ex-mine price reported was Rs.Rs.190.17 per tonne	The same was confirmed during the inspection.	None
9h	Scrutiny of Annual return on fixed assets	The value of fixed assets as reported during 2020-21 was Rs.5 crores.	Not verified	None

9k	Scrutiny of Annual return on mining machineries	The following machinery was reported in the Annual return 2020-21 1. air compressor - 1 no. 2. Back Hoe - 3 no.s 3. Dozer - 1 no. 4. Explosive van - 1 no. 5. Tractor - 1 no. 6. Rock drill - 1 no. 7. Tipper - 9 no.s 8. Water Tanker - 1 no.	The same was verified during the inspection.	None
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Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	21/09/2021			
MCDR17	Rule 31(1)	21/09/2021			
MCDR17	Rule 40	21/09/2021			

Date :

(**SHAIENDRA KUMAR**)

Indian Bureau of Mines